

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: clifton w sikes <csikes@brightok.net>
Subject: [1636] And now, for something completely different
Message-ID: <199607261221.HAA14352@sooner.brightok.net>

That's a quote from Monte Python, for the uninitiated: Paul, thanks for qrp-l pie. You are as old as I am. Now the different; Are there any qrp ops in Nebraska? If so, and you are on this list, please let me know that you actually exist. Ne is the last state I need for WAS. I don't really want a scheduled contact, just to know there is hope. Thanks for the bandwidth, from a child of the 60's.

Clifton W. Sikes
AB5UA

QRP ARCI # 9058
QRP-L # 478
ARRL

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Charles Cashion <sun1055!ccashion@uunet.uu.net>
Subject: [1664] BeO
Message-ID: <9607262028.AA06105@sun1055.spd.dsccc.com>

Gentlemen,
I am not a chemist.
I cannot know everything.
I frequently depend upon the knowledge of others.
I will set limits based upon the word of others.

Scott Rosenfeld wrote (sr>)

sr>
sr> "Contains Beryllium Oxide, which is known to be toxic.
sr> Do not disassemble or tamper with parts, may release beryllia dust."
sr>
Other says, "believe it."
sr>
sr> What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?
sr>
It makes a wonderful heat pipe or heat sink.
sr>
sr> How toxic is it, exactly?
sr>
toxic enough.
sr>
sr> * Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
sr>

There is probably some other that can give more explicit

details. My other just says, "leave it alone".
I hope some other QRP'er knows more than me and adds their
knowledge to this.

Regards,

Charles Cashion, W5ISZ

ccashion@spd.dsccc.com

(any return address containing uunet is null and void!)

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

Subject: [1662] BeO - Beryllium Oxide???

Message-ID: <Pine.3.89.9607261415.B31120-01000000@w3eax.umd.edu>

OK, circuit experts...I have a Microwave Modules 2m xverter (drive is
with 5 mW, so it's QRP) and inside the case it boldly states, on the
final amplifier enclosure

"Contains Beryllium Oxide, which is known to be toxic.

Do not disassemble or tamper with parts, may release beryllia dust."

What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?

How toxic is it, exactly?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: "UNITOG" <unitogh@hondutel.hn>

Subject: [1648] Best 30M antenna.

Message-ID: <199607261035.KAA16283@miraf-server2.hondutel.hn>

I want to thank every one who responded to my post asking for the best 30M
antenna on one support! It was about even between inverted v's and full
wave loops. I'll try them both.

Tnx again :>)

Todd DeWire

HR3TFD

unitogh@hondutel.hn

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Wayne Glover <wayneg@mail.kdcol.com>
Subject: [1632] Broken 440
Message-ID: <199607260525.XAA01865@kdcol.kdcol.com>

Recently I read about a fix or the name of a person who fixed the problem with the display on the 440 "blanking" and displaying a row of dots. Can anyone re-send that info or tell me what I can do to repair mine? Please e-mail any advice directly. The little bugger I own has begun to have the same malady. Thanks

72/73 Wayne

Wayne Glover, WJ7H - - wayneg@mail.kdcol.com

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1646] CMOS III
Message-ID: <199607261614.QAA08465@chuck.dallas.sgi.com>

Rick, WQ8Q, asks about the CMOS III RF sensitivity and packaging.

1. It has been my experience, but remember I'm operating only at power levels less than 1W, that the CMOS III doesn't seem to be RF sensitive. I haven't had it do anything directly related to keying a QRP xcvr. On 40M and 30M receivers I note a "burp" from it about 5 seconds or so after I finish a transmission (very weak signal in rcvr when this happens) when it goes into the sleep mode or quiet mode to save power and only consume uW's of power at this level. Also I find the monitor, when I have it on to program or play, is too loud. Sensitive ears I guess. I plan on putting a resistor in series with the speaker to tone it down (pun).

2. I put mine in a TenTec TF-17 case. Film at 11 as I have placed the jpeg pictures on Lehigh.Edu and Jerry Parker will put them on the web pages if the pictures meet his quality control parameters, this meaning the NorCal web page. With the TenTec case and I don't have the dimensions handy I was able to get a small speaker, the PC board, six buttons and one pot and the connectors on the back with no problems. Just be sure to measure carefully and think in three dimensions to account for plugs and pins and parts that come out

into space that might be occupied by something else. The laws of physics are at work at all times. They are not optional nor can they be voted away. :-) Been there done that.

I have sent mail to Idiom suggesting that they add a spot for a 78L05 regulator and decrease the size of the two mounting holes. This thing does not go into anything really big and most people are using small screws.

3. Yesterday, well last night, I had one thing happen that I don't really understand. I had unplugged the CMOS III to take some pictures. So I put the rig back together last night and fired it up. Heard the band was alive and was excited.

Pushed button #2, which was the QRL? message button, and nada-zip-nil... Hmmm. OK, I'm not proud I can send this puppy with the paddle. QRL? Nothing heard after 5 seconds so send it one more time and still not a peep.

Pushed button #1, which was the CQ CQ CQ DE K5FO K5FO K5FO/QRP K message button. Nada-zip-nil-nothing-.... Hmmm. That's strange. So play both #1 and #2 and still nothing. Message buffer is empty. OK, I reprogram both buttons and I'm off and running.

Either I had done something stupid (most likely) and erased the memory playing around with turning the monitor on/off and changing speed ranges or the system hiccuped and really lost the message buffers, but the latter I really doubt. Anyone else found a strange combo?

I really love the keyer. As soon as I get something and get a photo and additional information I will post it. Has to do with the CMOS III and a special mounting critter for the WBL paddle.

FYI dit dit

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1995 Qs=222 States=46 Confirmed=127 DX=04 (0.95W)
K5FO TMPS 1996 Qs=077 States=32 Confirmed=23 DX=04 (0.95W)

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [1642] Half G5RV
Message-ID: <9606268384.AA838401613@smtpgw.ccgate.dl.nec.com>

Gang:

Didn't see any answers to my post from yesterday, so I'll try again.

Regarding the posts about the half G5RV - is this simply a 1/2 dimension standard G5RV?

Does this mean that the flat top is approx. 26 ft per side? How long is the proper feeder length?

Thanks for any info you all may have.

73, Dave AC5GY

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [1666] Help es Goodbye
Message-ID: <31F931B4.7DEA@bnl.gov>

Ok gang, I'm off. It's 5:00 EDT and I leaving for my week in the woods. One assist I need please

I'm going into postpone mode on this list (no problem). I don't know how to UN-postpone when I get back. Please someone email me direct with the listserv command I need to resume, so I can get back on as soon as I come back. I don't want to miss anything.

Thanks es CU in a Week

72

nick

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Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [1657] MFJ SWR analyzer & OHR QRP watt meter
Message-ID: <Pine.SUN.3.94.960726135043.22758A-100000@access4.digex.net>

General information, I used the OHR QRP watt meter to check the

output power level of the MFJ SWR analyzer. The analyzer puts out 2.5 mW on all frequencies up to 150 MHz, as measured by the OHR. Which means one of two things, either the OHR can not handle the frequency, or the MFJ falls off from 150 to 170 MHz. Now, since the OHR is only spec'd from 1.6 to 30 MHz I was very pleasantly surprised that it read a constant output from the MFJ up to 150 MHz.

Last night I had a problem 2-meter HT. It was not putting out power. I remembered my test of the OHR & so hooked the two up. I checked the OHR with a new Yaesu FT-530 2-meter/440 HT. On two meters I check for 200 mW and 2 W and the OHR was dead on. I compared with a 2-meter power meter & it agreed (also the handbook says that low power L1 was 200 mW and high power on the 7.2 V pack is 2 W - but I always check anyway.)

I found the problem was a disconnected BNC center to the PC board, but the bottom line was that the OHR did read 2-meters correctly, at least at 200 mW and 2 W.

How about other folks checking their OHR QRP watt meters out on 2-meters to see if they also work. Is it the design or our construction methods? How about it OHR, what say you? I don't see how 2-meters can hurt anything, can it?

Talk about QRPp, we have a transmitter at 2.5 mW! (Tho' I bet the spectrum is awful! Anyone with a spectrum analyzer out there?)

Have fun!

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Rod Logsdon <rlogsdon@ix.netcom.com>
Subject: [1668] MFJ-9020 For Sale
Message-ID: <1.5.4.32.19960726212050.006bd230@popd.netcruiser>

I have a MFJ-9020 w/MFJ-4112 Power pack for sale. \$150.00 for both.

Rod Logsdon ... WK9T ... 708-293-0763

Rod & Ely Logsdon RD/RTD Independent Representatives
Excel Telecommunications - Carol Stream (Chicago), IL
Ask me how to save up to 50% on your long distance calls, and
how to earn a serious income by helping others do the same!
708-293-0763 rlogsdon@ix.netcom.com

<http://www.exceltel.com/>

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Tim Pettibone <tpettibo@nmsu.edu>
Subject: [1653] Mobiling to San Diego
Message-ID: <199607261714.LAA14830@NMSU.Edu>

Going to be mobiling to San Diego tomorrow. I'll be playing with 30m/20m
with the QRP+ and the Hamsticks. Probably be mobiling back on the 1st.
Look for me!

Tim AB50U

p.s. The van will have my 3 grandsons, their parents, and my spouse (and a
pair of headphones!)

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [1669] NC 40 original for sale
Message-ID: <Pine.OSF.3.93.960726172513.32249A-1000000@govonca2.gov.on.ca>

Hello. I am going to sell my NorCal 40.
This is from the second run of partial kits.
I was going to convert it to 30m. but I think not now.

90.00, shipping split in Con. N.A.
Brien
Toronto

pepperb@gov.on.ca

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [1660] Parts Source
Message-ID: <55151.owen@apollo.eeel.nist.gov>

Guys--I just found (received catalog) of a company I didn't know about. It's not that they have anymore items than ALLIED RADIO or better prices even, though the prices are very fair, it's that they have the most BEAUTIFUL and INFORMATIVE CATALOG I have ever seen. EACH item is shown with a COLOR picture, so there is no doubt what the part looks like, and usually has a dimensional layout as well so you will know its size. How many times have you seen in a catalog, a color picture of each type of coaxial cable (RG-58---RG-58---etc) including a description of its dimensions, capacity, max voltage DC, max RF voltage and Attenuation at 100Mhz and 1000Mhz ? It even tells what type of wire stripper to use and what type connector to use with it. And this type of info is for each component!!!!!! This catalog also gives conversion charts and even how to read the color codes of 4,5 & 6 band resistors. They even tell what type use each capacitor (Ceramic, Polyphenylene etc) is best suited. They do have a minimum order of \$25.00 + a \$3.00 service charge if you use VISA or MC but in my book that is no problem. This is THE catalog that will be on my desk for reference. I would suggest that each of you that does any building request a copy.

Farnell Components
102 Corporate Boulevard
West Columbia, SC 29169

Sales Phones:
1-800-718-1997
1-800-718-1998 FAX

72/73 Jim K4CGY qrp-1 #72

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [1655] QRP Summerfest at Theater
Message-ID: <n1373739262.35083@msmailgw1.arlut.utexas.edu>

Hi gang,
Well, its almost here, the annual Austin TX ham convention, Summerfest. Aug. 2,3,4. It is both an ARRL and TX VHF FM Society gathering. Sunday morning is the Summer meeting of the VHF Society.

We have something old and something new. It is physically at the same place as last year, but as of Aug. 1 the hotel is known as "OMNI AUSTIN HOTEL, Southpark, (formerly Wyndam Southpark); the number there is 512-448-2222, or 1-800-THE OMNI, and of course is at IH 35 and Ben White Blvd. intersection,

but facing 4140 Governor's Row, off Ben White, on the SE corner of the intersection. The construction to the west is finished on the main lanes of Ben White, as far as Manchaca Rd., making access to the fine Restaurants at Lamar and Ben White much simpler. Plus there is dining at the hotel or area fast food places.

This is also the weekend of Austin Aqua Fest on Town Lake, an easy drive downtown on IH 35 from the convention for non ham family. Aquafest features music stages at lake side, and rock and country and the Austin Sound will be featured all week, and there is a carnival.

The convention opens Fri. afternoon at 5 PM registration, and the Swap Meet opens in the early evening. We plan to have a QRP dinner get together an hour after the swap opens to give you a chance to shop, and come brag on your finds. Convention forums and swap meet and dealer booths continue all Saturday until 5 PM. Sunday will be new ham forum and VHF Society. Other Sat. forums include a DX forum with a new Nepal program never seen at Visalia, or Dayton, as well as others. The ARRL HQ will be represented by speakers from Newington and TX.

The QRP Forum will start in the Conferenc Center (amphitheater) at 3:30 PM Sat. after the afternoon VE exams. This theater is opposite the registration desk, directly ahead from the front doors. This will give us to 5 PM or so.

Sat. evening, there is the Summerfest dinner and dance event at DANCE ACROSS TEXAS, right east of the hotel on the same side of Ben White Blvd. You literally dance across (a map of) Texas. This building used to house a home center/lumberyard, thus is big enough for our own private party area.

Now the QRP Forum Events! We will introduce our three main speakers, and explain that while Chuck K5FO of QRP-L fame gives us an Intro to QRP, Ed N5EM, of QRP-L, will start construction of a transceiver right before our eyes. He is also bringing kits to sell, (\$25) but the best part is you might win the demo transceiver in a raffle at the end of the demonstration. (Of Course it will work!)

And following Chuck to the rostrum will be Bruce Williams of MXM Industries kits, speaking on "QRP from the ridiculous to the sublime". Ed will wrap up with test and operation. Bruce will have his kits, and we can show the projects of other QRP'ers who bring their latest. This will include the T Kit Ten Tec Power and SWR meter, and T kit 9 band electronic band switching receiver, (the fanciest Regen I have ever seen.) Please bring your latest projects as well.

Our Poster session will be on the W5KA Field Day Vee beam Project, the largest antenna system ever put up by this club, and maybe any other club in Texas.

You can come on down, and get either colorful Summerfest T shirts, or "Hams are Radio Active" T shirts, new goodies, old goodies, rare goodies, and ARRL books. The Bug Catcher Antenna Man will be there, as well the the Connector folks from the Dallas sidewalk sale. We hope to have some QRP books, and there will be the Sign Man who has QRP-ARCI logo nameplates.

And the best news of all, we have seen rain yesterday, so the Texas weather is not as hot as you may have heard in early Summer.

72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [1656] QRP with Yaesu Rigs
Message-ID: <960726171535_75230.1405_HHB52-2@CompuServe.COM>

Jukka said:
>>Back to qrp:

Does anyone know, if Yaesu FT-900 goes qrp (below 5W) without any modification? Our club station 0I8AV has one and I've planned to try qrp on 20m today. We have also an FT-101E. How about that?<<

I don't know about the FT-900 specifically, but for every Yaesu HF rig I have owned (including the 101E) the answer is a resounding YES for CW, maybe for SSB. For CW operation you just adjust the front-panel drive (or carrier on some of them) control to the level you want.

Sideband is trickier, and if the instructions call for adjustment of both drive and mic gain you can do it-- set the drive as for CW, then adjust the modulation with the mic gain. Some rigs, though, either ignore the drive/carrier setting when in SSB mode, and some even insist that it be turned fully counterclockwise (or carrier will be transmitted with the sideband!). With these rigs the SSB drive is controlled by the mic gain control (it is not JUST a mic gain control), and it may be possible to transmit at QRP levels but you may find that there is not enough actual mic gain or "transmitted audio." If that is the case then the only way to achieve effective QRP levels (as far as I know) is to modify the ALC circuit. Mods for this are posted here and there, but that's about all I can tell you about it, having little or no interest in QRP SSB for the above and other reasons [g].

72

Marshall

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: Buck Switzer <n8cqa@tir.com>

Subject: [1661] QRP-ARCI

Message-ID: <199607261946.PAA16839@tir.com>

Jon - There is no requirement for a member of the BoD to attend a minimum number of meetings (I believe that was dropped when Chris G4BUE was on the BoD). Members are required to answer correspondence and be available for votes, etc. We encourage attendance at the annual meeting in Dayton, but it is not mandatory.

What is almost mandatory is access to e-mail/internet. We have gone from little to no inter BoD communication to being able to raise an issue, discuss and vote on it within 24 hours! Having to rely on phonecalls and snail mail meant that the President made most of the decisions and told the BoD about them after the fact (a procedure that irked some BoD members). This is a vast improvement.

Thanks for your input and interest.

73

Buck Switzer, N8CQA

President, QRP-ARCI

n8cqa@tir.com

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: wylde@nccn.net (Grover Cleveland)

Subject: [1629] Still looking for 30M Backpacker

Message-ID: <v02130500ae1df76954af@[205.139.74.180]>

Any leads appreciated. I keep missing those offered by milliseconds.

Grover

- - -

Lindsey Cleveland, aweaver@nccn.net

Quaker Hill Weavers

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: wq8q@juno.com (Rick Tyler)
Subject: [1643] Super C-mos III
Message-ID: <19960726.112834.2335.0.wq8q@juno.com>

Just received my Super C-mos III kit in the mail today . . . (these projects, they're starting to stack up!) and want to know from those who have experience in these things . . . How RF sensitive is this unit? Should it be built inside a metal enclosure? I'd like to gather the enclosure materials before I start on the kit. Any help would be appreciated . . .

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: kclark@ridgecrest.ca.us (Karen Clark)
Subject: [1651] Ten Tec Delta Power Control, etc
Message-ID: <v01530500ae1e3ff944f7@[199.120.150.34]>

This paragraph is a response to Mark Milburn KQ0I who asked about power output measurement on the old Delta a couple of days ago. I sent him an E-Mail, but no response, so I'm summarizing to qrp-1. I had an article in the April 1987 QRP Quarterly on power control to QRP levels with the Delta. It is a simple mod - just a zener diode and switch, but has been very effective for me over 12 years now. The original idea was from Chris Brakhage WB5FKC. I do not have an electronic copy of the article.

My vote is to keep the name QRP ARCI.

I've ALWAYS gotten my QRP Quarterly, Sprat, and QRPP close enough to schedule that I've never had to complain. Great publications - thanks to the article contributors and those who put them together!

I've been operating xtal control in the QRP ARCI cw contests (not even a vx0). Thanks to everyone who took the time to tune for my signal! It is just a Tuna Tin II at a quarter watt and a Neophyte rx with cranial filter, but I've enjoyed the challenge of the contests with scratch-built equipment. You'll find me near the bottom of the scores, but I have as

much fun as anyone.

My homebrew paddle has an oversized wooden base that I bolt to the shelf on my operating desk - NO SLIP ! Of course, at Zuni Loop I hold it in place with a C-Clamp.

72 & 73 all, Keith, W6SIY

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: LTC_Barry_Minsky_at_LRMC2__LANDSTUHL@LRMC.SMTPLINK.AMEDD.ARMY.mil
Subject: [1640] Test
Message-ID: <9606268384.AA838420880@smtplink.lrmc.amedd.army.mil>

This is my first message to QRP-L.

Barry AA2YR/DA2BM

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: "Dennis Blanchard, K1YPP, CINCC" <blanchard@nac.ENET.dec.com>
Subject: [1652] Thanks for help
Message-ID: <9607261659.AA28024@us1rmc.bb.dec.com>

Rather than individual thanks, (the mailing list would get quite long), thanks to all with info about the Schurr key info. I knew I had seen it somewhere, but the memory bank drew a blank.

Interesting that there is not much on it when one does a search via Alta-Vista. Only found one site that even mentioned it, and there was no description.

Thanks again...

Dennis, K1YPP

Hampstead, NH

djade@hampstead.k12.nh.us
<http://www.hampstead.k12.nh.us/~djade/index.html>

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [1649] TMPS from Pa. in the Woods
Message-ID: <31F8F5B5.182@bnl.gov>

Hi Gang,

Been up to my eyeballs lately at work and keeping a low profile on the list. I on vacation next week leading 8 scouts on a High Adventure trek in Marshalls Creek, Pa. Bringing my SW-30 and a dipole with me along with a 6ah Gel battery. I'll have to use a straight key because I haven't built a keyer into the SW-30 case yet, and I have to pack light. Been short on cash flow lately. In fact, if I had the extra \$25.00 I would have bought a 40-9er just for this occasion, Oh well, it happens. Anyway, I'll try to be on the air for portable TMPS in the evenings. We'll be hiking from location to location to get to each activity and get our freeze dried meals replenished every two days and fresh water. If all equipment holds up I hope to work some of the QRP-L group from Pa. I know nobody needs Pa. for WAS, but but listen for me - KF2PH/3/QRP :)

I'll probably put my QRP-L on postpone til after August 4. So, be well and I'll let the group know how the trip went when I get back. Have a great week es pray for sun in easter Pa next week :)

72

Nick

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [1663] RE: BeO - Beryllium Oxide???
Message-ID: <01BB7B06.7E6FD8A0@muenzlerk.uthscsa.edu>

On Thursday, July 25, 1996 11:56 PM, Scott Rosenfeld NF3I[SMTP:ham@w3eax.umd.edu] wrote:

>OK, circuit experts...I have a Microwave Modules 2m xverter (drive is
>with 5 mW, so it's QRP) and inside the case it boldly states, on the
>final amplifier enclosure

>

>"Contains Beryllium Oxide, which is known to be toxic.

>Do not disassemble or tamper with parts, may release beryllia dust."

>
>What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?
>
>How toxic is it, exactly?
>
>* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
>*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
>** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
>* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *
>
The stuff is probably in the VMOS transistors in the final amp. It is toxic.

Kevin, wb5rue

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: 26-Jul-1996 1647 <randolph@pnx.ENET.dec.com>
Subject: [1665] re: BeO - Beryllium Oxide???
Message-ID: <9607262053.AA25249@us4rmc.pko.dec.com>

Scott Rosenfeld NF3I said:
> What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?

Probably the cases of the RF power transistors. They're made of that stuff because it transfers heat effectively. I believe it's a type of ceramic, so I wouldn't worry too much about it unless you plan to pulverize your finals with a hammer!

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com
=====

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Raymond.Anderson@eng.sun.com (Ray Anderson)
Subject: [1671] Re: BeO - Beryllium Oxide???
Message-ID: <9607262248.AA00675@radium.Eng.Sun.COM>

Scott Rosenfeld NF3I said:
> What in a VHF 2m 10 watt amp would contain beryllium oxide? Why?

The ceramic insulator portion of the power transistors is probably made of BeO. It has excellent thermal and electrical properties, which is why it is used.

As long as it stays in a solid chunk don't worry about it, however, if the material chips, breaks, gets pulverized etc., beware. In the finely divided form it is EXTREMELY toxic, especially if inhaled.

Treat the devices kindly and you shouldn't have anything to fear. (If the transistors ever burn out, please don't chuck the device carcasses into the normal trash, we don't need BeO bouncing around in the landfill areas)

Ray WB6TPU

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: "John P. Spoonhower" <spoon@kodak.com>
Subject: [1644] Re: CA Alert
Message-ID: <31F8EB39.6385@kodak.com>

Chuck, Dave, et. al,
since I will be at Stanford all next week, I too will try to drop by next to "Two Guys from Italy".....6:30 on tuesday right? Does this pizza place have a name?

72, John, kc2du

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [1654] Re: CMOS III
Message-ID: <19960726.120322.4807.0.chuckolson@juno.com>

On Fri, 26 Jul 1996 16:14:30 GMT adams@chuck.dallas.sgi.com (chuck adams) writes:

>Either I had done something stupid (most likely) and erased the memory

Chuck -

I have a similar problem with my own memory keyer (a 68HC705J1a based design with a 93LC66 EEPROM and a 78L05 regulator). I would lose my messages fairly regularly. I was powering my keyer from the 12V accessory jack on my Argonaut. I then disconnected the keyer from the Argonaut and hooked it to a 5V bench supply - it now works fine - no loss of memory. So I suspect that the problem is due to a spike at power up which gets thru the 78L05 and erases the EEPROM. The Motorola processor

doesn't seem to be affected.

The particular 78L05 I'm using is from National - I may try replacing the regulator with a different brand or type or just adding more capacitance to the 5V bus. I may also disconnect the big internal electrolytic cap on the 12V supply line in the Argonaut.

I know the CMOS III keyer uses a different EEPROM so your problem may be different but you might try checking your 5V bus to see if there are spikes at power up.

Chuck Olson
WB9KZY
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [1630] Re: Computer Gurus!
Message-ID: <m0UjefQ-0004K9C@covina.lightside.com>

Mel:

You need to do a system SETUP. It is accessed at the start of boot up. Depending on the machine in question it can be CTRL-ALT- Esc, F1, etc. You should see how to do it at the begining of a boot up. Get there and make the entry corrections as required.

Dan Hogan KF6FDZ
dhhogan@lightside.com
OM84wc
QRP-L #558

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [1667] Re: Computer Gurus!
Message-ID: <Pine.OSF.3.95.960726150742.12840A-100000@duke.usask.ca>

On Thu, 25 Jul 1996, Dan Hogan wrote:

> Mel:
>
> You need to do a system SETUP. It is accessed at the start of boot up.
> Depending on the machine in question it can be CTRL-ALT- Esc, F1, etc. You

> should see how to do it at the begining of a boot up. Get there and make the
> entry corrections as required.

On some older systems you may need to run a special configuration program that should have came with the 386. Once you do this the next step will be to set the type of the hard drive. Typically on older machines there were roughly 46 different "types" for hard drives. If you remember how big your hard drive is you can often narrow down the guessing by calculating hard drive sizes from the head, cylinder and sector information for each type. Also if you know what type of hard drive you have you may be able to look information about it up on the internet to find out what type it is.

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan      |
| email: Brian.Buydens@usask.ca                                     |
| VE5RDV                                                            |
+-----+
| "If I had only known, I would have been a locksmith."            |
| -- Albert Einstein                                                |
+-----+
```

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: pcw12@ix.netcom.com (Phil Wheeler)
Subject: [1647] Re: Computer Viruses: NOW NOT A HOAX
Message-ID: <199607261628.JAA29273@dfw-ix10.ix.netcom.com>

Re the Word macro virus: There is a patch available to fix it
PERMANTLY. Try Microsoft.

Phil W7UOX

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [1658] Re: First kit ...?
Message-ID: <1.5.4.32.19960726175126.006723e0@postoffice.worldnet.att.net>

At 03:48 PM 7/25/96 +0000, ukii wrote:

> Is there
>a COMPLETE KIT (crystals etc..) for 20 or 15 meters on the market?

I recently picked up an NW8020 kit from Dan's Small Parts in Missoula, Montana. The name can be kinda misleading - it's actually available as a monobander, for 80, 40, 30 (what I bought), 20 or 15 meters. The kits are also available directly from Roy Gregson (the designer) in Washington (roygregson@aol.com for more info). I found out after I had purchased mine that altho it was about \$20 less than directly from Roy, Roy's are an updated version, with some pretty good (from what I hear) enhancements. They come complete, with all pieces & parts (including crystals). Options include an audio filter, case & knobs, and maybe RIT kit (I don't know if this is an option or not - mine came with it).

The instructions are well written, with plenty of diagrams. It is VFO controlled, so you're not rockbound. I think all models cover about 50 kHz spread. He mentioned to me that he is also working on a 17 meter version.

I'm enjoying building it (my first kit!). Now if I could only find the time to get it done quicker! I had asked around here a few weeks back for kit suggestions, and this was one that got a lot of praise. Several guys are running nothing but this rig. All in all, I think it's a great kit.

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: windish@ix.netcom.com (Walter G. Windish)
Subject: [1637] Re: GQRP - Virus Scare
Message-ID: <199607261229.FAA17397@dfw-ix10.ix.netcom.com>

Hi Frank, you wrote:

>

>So far as I am aware, viruses are spread via programmes, not files.
>There is therefore a very real danger of acquiring a computer virus
>from the Internet, providing you do download programmes, not just mail
>and news items. However, if I am wrong, please let us all know, you
>experts, but it would be a foolish person who had no current, and I
>stress current virus checker. I have had two viruses, neither real
>nasty ones, but...

>--

>Frank G3YCC

There is a virus that can infect your computer through a Microsoft Word document file. Most Windows virus protection programs now scan for this. I certainly agree that everyone needs a virus scanner these

days. At work we have seen infections via sealed off-the-shelf software, as well as from sealed "pre-formatted" diskettes, as well as all the usual sources. If you're bringing it into you computer - scan it!

-Walt KB2JE

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: wq8q@juno.com (Rick Tyler)
Subject: [1643] Re: Half G5RV
Message-ID: <19960726.114102.2335.2.wq8q@juno.com>

On Fri, 26 Jul 96 10:11:41 CST "David Kreinberg"
<kreinbd@ccgate.dl.nec.com> writes:

>
> Gang:
>
> Didn't see any answers to my post from
> yesterday, so I'll try again.
>
> Regarding the posts about the half G5RV - is
> this simply a 1/2 dimension standard G5RV?
>
> Does this mean that the flat top is approx.
> 26 ft per side? How long is the proper feeder
> length?

Antennas West catalog shows G5RV's in different configurations:

Double Size 204' top 65' stub
Full Size 102' top 32' stub
Half Size 51' top 16' stub
Quarter Size 26' top 8' stub

I don't know how any of these might perform, but they're cheap enough to build and try!

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996

From: "Jon Iza" <iapizloj@bicc00.bi.ehu.es>
Subject: [1635] Re: QRP-ARCI name change
Message-ID: <199607261341266308.iapizloj@bi.ehu.es>

My two pesetas,

If I recall correctly, a member of the Board has to be able to attend one or two meetings per year. In order to board a DX member you have two choices: 1) Look for a wealthy one, -not me :-(
or 2) spare 2 thousand bucks (or more) for two round trip plane tickets. I guess the treasurer won't like the 2nd option ;-)

I'm sure there will be some other innovative options, such as carrying the meetings on an Internet Relay Chat, by email, or even using "real_audio" but this will led to problems, for there will be a great advantage for the fastest typist or the one "wearing" the fastest modem....

In any case, it's nice to have such a discussion.

Be well.

jon, ea2sn

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Grover <SIXPENCE@worldnet.att.net>
Subject: [1645] Re: QRP-ARCI name change
Message-ID: <2.2.16.19960726115754.2687440c@postoffice.worldnet.att.net>

Jon et al: QRP Air, RT Europe(western, can be had for less than US\$600 w/planning & fore-thought.

Wonder if there are any Airline "wheels" in ARCI; maybe they could wheedle a couple of Annie Oakleys for the club...Hi Hi!

How many paid members are there? Perhaps an increase in dues of 25 to 50 cents per annum, or one time levy of a dollar would start the move to inviting international BOD members.

Thanks ..Grover <SIXPENCE@worldnet.att.net>

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: nskousen@scientech.com (Niel Skousen)
Subject: [1641] RE: SMD Wireless mic
Message-ID: <v02130504ae1e8e2e539b@[198.60.91.132]>

A comment, SMD parts can be reusable, I guess.... BUT in my experience they are very susceptible to intermittent connections on 2nd use. The end plating tends to separate from the internal connections, often without physically separating from the part until the 3rd re-soldering :-)

I

no longer reuse any smt R or C, it's just not worth it, and the parts are very inexpensive....

GL Niel

Niel Skousen, WA7SSA nskousen@scientechnology.com
SCIENTECH Special Projects 208-525-3742, 529-4721(FAX) Idaho Falls, ID

From owner-qrp-l@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [1659] Re: Solder-It
Message-ID: <Pine.BSI.3.93.960726141250.19986A-100000@u1.abs.net>

From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Bob - N3MBY/6
Subject: Re:soldering aluminum

Bob,

While I have not tried it in the application mentioned, Yet, There is a product called "Solder-It" which comes in a syringe type applicator in a paste form. There are at least three mixtures, #60664 Silver Bearing Solder, #60665 Aluminum Solder, and #60665 Die Cast Metal Solder. One source for these products is Micro-Mark The small tool specialists. 1-800-225-1066. The price listed was \$6.95 for a 7.1 grams tube. The product was located on page 47 of the Spring 1995 catalog. I am sure that it is still available.

There is also a special type of Brazing rod which has the proper flux built into it which might work, unfortunately I can't recall where I bought it. There was a guy who came to all the local hamfests doing his demo of punching a hole in the bottom of an aluminum can and then heating the injured area with a propane torch and then at the appropriate time touching the area with a few strokes of the Special Brazing rod and magically sealing the hole. It would cool rapidly, after which he would offer you the punch and defy you to pierce the same spot. I know, it sounds like "The Regional Snake Oil Salesman", but heck it works! You can fix some strange metallic items with it. I don't think it was real expensive, I bought a few packages myself a few years back. Maybe someone else knows the supplier on that one. I would probably try the "Solder-It" Paste for your application. I would recommend a Micro-Flame

Torch if you have one. I like the Master UltraTorch (Butane Gas) for good control of heat and flames. It is also carried by Micro-Mark, but I only have the old catalog at work. I found it in the Techni-Tool catalog for \$ 76.05, # 542PR102 page 124 of catalog 49. (610)941-2400. The 1996 Jensen Tools catalog (winter 96) has The Master UltraTorch 10B700 at \$109.00. 800-426-1194 or (602)968-6231. Hope this helps.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [1639] RE: Soldering Aluminum
Message-ID: <01BB7ACC.088E9660@muenzlerk.uthscsa.edu>

On Thursday, July 25, 1996 10:48 PM, Bob Okas[SMTP:okasb@rex.mtv.gtegsc.com] wrote:

>Hi Gang,
> I would like to thank all those that responded with all of the
>helpful info. Although using the A1 standoffs seemed attractive at
>first blush, it's more trouble than it's worth. I'll be exploring
>other alternatives and let the group know what I come up with.
>
>Bob - N3MBY
>
>

I got an idea last night while I was working on my PC...
Surly you've unscrewed your monitor connector or printer connector and had those little "nuts" come loose. Have you tried anything like those little nuts? They will accept a 4-40 bolt, they are brass so they can be soldered.

Kevin

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: wq8q@juno.com (Rick Tyler)
Subject: [1670] Re: Super CMOS III
Message-ID: <19960726.183538.10255.0.wq8q@juno.com>

First, I want to thank everyone for their input. I received numerous

helpful messages concerning my original post on the keyer.

I cleared a space and built it this afternoon. Here's how it went.
Everything in the kit that was supposed to be there, was.

Made a list and went to RS to pick up the remaining items . . . they only had one pack of two pushbutton switches (of course) so I had to drive to another RS to get the rest of them. The other RS had a DSP unit sitting on their sale table, so even though I'd bought one last year and sold it at Dayton last year, I couldn't resist the bargain and bought the thing for \$ 29.95.

What to put the keyer in. . . well, in the junk box I found one of those nice little boxes that Ramsey sells to put their kits in so at least they'll look nice when they don't work. Turned the little slide in panels around and had a couple extra holes, but what the heck, already had the box.

I did a beautiful job of aligning the holes on top of the box for the pushbuttons. I aligned and drilled those five holes perfectly. Only trouble is there were six pushbuttons. Don't know why I did that. Well, it doesn't look as pretty now as it could have.

Fit everything inside the little box . . . including a RS 4-cell AA battery holder, on which I jumpered the last cell, turning it into a three cell holder. Completed the case before I built the keyer just to make sure everything fit.

Built it as directed, tested it as directed and found no faults!!!
Inserted the chips and fired it up . . . worked perfectly the first time.

I do believe that this is the very first kit I've ever built that worked perfectly the first time.

Applause to the designers and applause to Idiom Press for putting out a nice little unit.

Now, except for the antenna tuner, I can now say my shack is MFJ free.
It's a goal I have.

I've got it hooked up to the FT840 (which is turned down to 5 watts, by the way) and depending on how exciting or not the Olympics are tonight, will probably be testing out the keyer on the air.

73/72 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: svecbrdk@well.com (Lillian Svec and Wayne Burdick)
Subject: [1633] Re: USB/LSB mod success!
Message-ID: <199607260639.XAA02526@mh1.well.com>

>Wayne: Well, I followed your latest version of the instructions for the
>USB/LSB mod, and it works like a charm!...I mounted the USB/LSB switch
>directly underneath the headphone jack....
>I had a great time tonight tuning around 20 meters [SSB] with my Sierra!

Thanks for trying the new instructions right away, David. Glad it worked
this time! :)

>I'm really on a roll...so how do we get the Sierra to *transmit* SSB?
>(just kidding).

Sorry, the SSB rig design is still a ways off.... Might I suggest AM,
instead? All you have to do is key the transmitter at such a high CW speed
that you achieve audio-rate Sigma-Delta modulation <yuk>.

73,
Wayne

P.S. Poor Doug--everybody copies him on everything!

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Mark Carter <mcarter@freenet.npiec.on.ca>
Subject: [1631] RE: VIRUS ALERT
Message-ID: <Pine.SGI.3.93.960726003540.28621B-1000000@freenet.npiec.on.ca>

Hi Larry.

On Thu, 25 Jul 1996, Larry V East wrote:

> In order for something to trash your computer/hard disk/etc..., it must be
> executed. Just reading an email file won't do it.

Exactly. Viruses are transmitted by executing program files, and by
booting from infected floppies. Boot sector viruses(transmitted via
floppies) tend to be much more common than file viruses. If more people
could understand the simple ways viruses are transmitted, much of the
virus paranoia would disappear, and hoaxes such as Good Times would not be
successful.

To protect yourself, use a program such as F-Prot(latest ver 2.23a) or

Thunderbyte(latest ver. 7.03). Both offer conventional scan on demand using signature and heuristic analysis, and both offer an anti-virus TSR or Win95 VxD to scan on the fly. They're also the two most respected virus scanners around. (Don't quote me computer magazine articles: Computer magazines use a laughably small sample of viruses to test scanners, and put an undue emphasis on items such as user interface; which is more important, that the virus scanner looks pretty or that it just stopped your hard drive from being formatted?)

> On the other hand, be VERY LEERY of executable files (of any type) that get
> appended to email messages...

Unless your mail program automatically executes files in a way which an anti-virus TSR can't check the file before it executes(in which case you need a new mail program), you don't have to worry. Computer viruses tend to cause a lot of unwarranted paranoia. For instance, the Internet and computer bulletin board systems have for years been blamed as being filled with computer viruses, when in fact, they've been the safest places to acquire programs. FTP sites and BBS Sysops have been scanning for viruses for the longest time. What people have to worry about(and paradoxically don't) is scanning the floppy disks of their nearly-computer-illiterate friends when they've been given a copy of the latest and greatest software.

Mark

*** Carter Computer Solutions Voice/Fax: 934-1413 ***
*** Sharp Cash Registers and Hospitality Systems ***
*** Service - Sales - Point of Sale - Networking ***
*** Gopher freenet.npiec.on.ca Menu: 4,4,10,4 ***

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: Rich Mulvey <mulveyr@ll.aa2ys.ampr.org>
Subject: [1634] Re: VIRUS ALERT
Message-ID: <199607261110.HAA04720@ll.aa2ys.ampr.org>

>
> Exactly. Viruses are transmitted by executing program files, and by
> booting from infected floppies. Boot sector viruses(transmitted via
> floppies) tend to be much more common than file viruses. If more people
> could understand the simple ways viruses are transmitted, much of the
> virus paranoia would disappear, and hoaxes such as Good Times would not be
> successful.
>

Unfortunately, that's not completely accurate. The Word Concept virus, for example, was previously mentioned. The simple act of opening up a Word document with the virus would cause it to be activated, unless you had auto-execute macros turned off in Word, which most people don't. Another example is embedded macros in text files that get automatically run by Emacs when loaded by the editor. I've personally been bitten by both of these.

And of course, there were the ever-popular ANSI bombs of the early days of the PC. Before Microsoft finally fixed the ANSI drivers, it was possible to simply display a file, which would then make a call to your shell, and do all sorts of nasty things. ("format c:", anyone?)

None of these mechanisms, of course, use program files, and most users wouldn't think twice about starting up an editor to read a README file. That simple act can still hurt them, though.

As we move more and more towards 'executable content', the problem will increase to the point where it will become well-nigh impossible to do anything that won't start up dozens of little applications just to accomplish a simple task, and with the corresponding increase of points of vulnerability.

- Rich

From owner-qrp-1@Lehigh.EDU Fri Jul 26 23:12:37 1996
From: pcw12@ix.netcom.com (Phil Wheeler)
Subject: [1650] Re: What is a Schurr-Morsetasten
Message-ID: <199607261642.JAA07620@dfw-ix2.ix.netcom.com>

You wrote:

>

>I know in my travels over the years I have read about the Schurr-Morsetasten,

>but for the life of me I don't remember what it was? A customer asked me about

>a replacement part for it and I would like to help him out, even though I doubt

>I will actually have parts. At least I should point him in the right direction.

>

>I give, what is or what was it? Sounds like a CW generator of some sort. My

>rusty German doesn't help on this one.

>

>72

>

>Dennis

>

>Jade Products, Inc

>Engineer

>djade@hampstead.k12.nh.us

><http://www.hampstead.k12.nh.us/~djade/index.html>

>

>

>

Schurr is a German company. Address, etc:

Klaus Gramowski, DL7NS

Kaiserin-Augusta Allee 91

D-1000

Berlin 10, Germany

Ph: 030 344 7826

Products are high quality paddles and handkeys.

Phil W7UOX